

p-21

GENERAL AND REVENUE SECRETARIAT. p-A4

19043
(Creul. Misc.)

File No. 246-12.

✓

Serial Nos. 1-18

Papers Filed.

Month May 1913

SUBJECT.

Invention for "Improvements in Agitators
for use in the treatment of ores" by Mr. John
Van Nostrand Don, Denver U.S.A.

PREVIOUS REFERENCES.

LATER REFERENCES.

G.M. 535-16. (1-2)
Gm 591-17 861-31
Proc 201-18 (1-3)

GENERAL AND REVENUE SECRETARIAT.

(Gen : mis)

NOTES.

Gm File No. 246 $\frac{12}{13}$

FILE HEADING.

Invention for "Improvements in Agitators for use in the treatment of ores" by Mr. John Van Nostrand Don, of First National Bank Buildings, Denver, Colorado, U. S. A.

From

Messrs Remfry & Son, Calcutta.

No. letter Dated 13. 1. 13 Received 16. 1. 13

Diary No. 3689	Enclos. ² Rs 11/-	Spare Copies. -	Serial No. 1
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BRIEF ABSTRACT OF LETTER.

Forwards an appl^y for leave to file a specification of the above invention and also a power-of-attorney in favor of Messrs Remfry & Son, Calcutta.

NOTES AND ORDERS.

1 The usual appl^y and stamp fees are received.

² Offs subd.

EA 99 ^{NR}
25.1.13

3 Issue

1m
28.1.13

Serial
No.

2. To The State Geologist G. 4335 D
3-2-13. Forwards for report the
application received with the
above.
3. To The Supdt of Stamps G. 4336
D 3-2-13. Forwards the power of-
attorney received with Sl 1 &
requests him to impress the same
with a stamp of the value of one
rupee for sent herewith.
4. To The D. C. Try Dept. Bangalore
G. 4337 D 3-2-13. Forwards Rs 10/-
received with Sl 1 & requests
acknowledgment.
- 5 From the above. N^o. 34/170, D 4-2-13.
Acknowledges the receipt of the amount forward-
ed with the above.
- 6 From the Supdt of Stamps. N^o. 108 D 5-2-13
Returns duly stamped the document forwarded
with Sl 3 and requests acknowledgment.
- 7 From the State Geologist. N^o. 1903 D 4-2-13.
Reports with ref^e to Sl 2, that the leave to file
the appln specif^y may be granted.

4 Dfls subd
5/199
14.2.13 N.N.

5 Issue
14.2.13.

General and Revenue
Secretariat.

G. m File No. 246 of 1912-13.

5520

Serial
No.

7. To. The Supdt of stamps G-4909 d/18.2.13.
Acknowledges receipt of the duly stamped
power of attorney received with
the above
8. To. Mr John Van Nooland Dorr, Denver,
Colorado U.S.A. G-4910 d/18.2.13.
Authorizes him to file a specifi-
cation of the invention referred to
9. To. Messrs Ramfry & Son, Calcutta
G-4911 d/18.2.13. & With reference
to sl 1, forwards the above for
communication to the party con-
cerned.
- 10 From the above. d/ 4. 4. 13.

sus

Forward Rs 30/- and 4 copies of the specifi-
fication and request the filing of the specifi-
fication.

The prescribed fee of Rs 30/- has been recd.
and the application is made in time, i.e.
within 6 months from the date of granting
authority to file the specification (viz 18.2.13).

The usual drafts are subd. The certi-
ficate at foot of the G.O. granting authority
requires being signed.

7c B

9499
No. 4.13 BR
17

Issue,

19/4

6019
609-
6158

Serial
No.

- 11 To. The Compiler, G. 6593 d 26.4.13.
Notifies the filing of the specification referred to.
12. To. Messrs Remy & Son. G. 6594 d 26-4-13
Forwards Copy of the above for communication to the party concerned & request since returns SL 8, with the certificate at foot duly filled in & signed.
- 13 To. The Chief Engineer, Supdt Govt Museum & the State Geologist G. 6595-7 dated 26-4-13. Forwards for record in their offices a copy of the specifications received with SL 10 & requests ackt.
- 14 To. The D. C. Try Dept. Bangalore. G. 6598 d 26-4-13. Forwards Rs 30/- received with SL 10 & requests acknowledgment
- 15 From the Dy Commr., Hy Deptt, Bangalore. No. 242 & 20.4.13.
Acknowledges the receipt of the amount forwarded with the above.
- 16 From the State Geologist. No. 2699 d 30.4.13.
- 17 " Supdt, Govt Museum. No. 276 d 1.5.13.
Acknowledges the receipt of the specific form with SL 13.

The receipt of acknowledgment from the Chief Engineer may be awaited

Subd
4499
8/5/13

247
9/5

6334

Serial
No.

18

From the Chief Engineer. No. 3638 of 9. 5-13

Acknowledges the receipt of the specimen
forwarded with SL 13.

The case may now be filed.

Subd
- 249 BR
32 5-13

W. S. R. 31/5

7
2/16

GENERAL.

2,683

REGD.

19 12 1913

gen: nus

THE PATENT-SECRETARY, TO THE GOVERNMENT OF MYSORE,
PATENT-OFFICE, GENL. & REV. DEPTS.
CALCUTTA. *246 of 1912-13* BANGALORE,

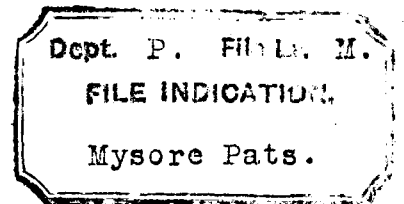
FROM

MYSORE

REMFRY & SON,
SOLICITORS AND PATENT AGENTS,
CALCUTTA.

Dated CALCUTTA, the 13th January 1913.

Sir,



re JOHN VAN NOSTRAND DORR. (LYSORE)

(Case 2)

We have the honour to forward herewith an Application of JOHN VAN NOSTRAND DORR, of First National Bank Buildings, Denver, Colorado, United States of America, Metallurgical Engineer, an Inventor, for leave to file a Specification under Part I of the Mysore Inventions & Designs Regulation, 1894, in respect of an Invention for "IMPROVEMENTS IN AGITATORS FOR USE IN THE TREATMENT OF "ORES," and solicit the favour of your submitting the same to H.H. the Dewan.

The Power of Attorney under which we are acting is also enclosed and we solicit the favour of your having same stamped Re. 1/-.

The corresponding British Application is No. 21,944 dated 26th September 1912 and there is no corresponding Application in India.

A Post Office Order for Rs. 11/- is sent today.

We have the honour to be,
Sir,
Your very obedient servants,

Enclosure 2-1

Con

APPLICATION.

TO THE DEWAN OF MYSORE.

The application of JOHN VAN NOSTRAND DORR, of First National Bank Building, Denver, Colorado, United States of America, Metallurgical Engineer, for leave to file a Specification under Part 1 of the Mysore Inventions and Designs Regulation, 1894.

1. The Applicant is in possession of an Invention for IMPROVEMENTS IN AGITATORS FOR USE IN THE TREATMENT OF ORES; he is the Inventor thereof and to the best of his information and belief the invention is new within the meaning of Part 1 of the Inventions and Designs Regulation, 1894, and no circumstances exist which, if the Applicant is authorized to file a Specification and files it in accordance with that Part, will disentitle him to an Exclusive Privilege thereunder in respect of the Invention.

The Applicant has applied for a patent in the United Kingdom in respect of this Invention No. 21,944, dated the 26th day of September, 1912. *See Illustrated Official Journal (Patents) N° 1237 page 1346*

The Applicant has not applied for a patent in British India in respect of this Invention.

2. The following is a description of the Invention:

My invention relates to agitators used in the treatment of ores and more particularly to apparatus of the kind employed in the treatment of finely ground ore by solvents, such as cyanide of potassium for the purpose of bringing the material into intimate association with the solution.

The object of my invention is to provide an apparatus of simple construction which, at a comparatively low cost of installation and operation, will effect and maintain a thorough intermixture of the ore and solvent. Further objects of my invention are to provide for efficient aeration of the material under treatment, for varying the period of agitation for different kinds of ore, for discharging the pulp at any selected degree of density, and for expediting the process of solution by a scouring and washing action upon the solid constituents of the pulp.

In carrying out my invention I preferably employ an apparatus comprising a tank of any convenient size in which an upright, hollow, open-ended conduit is rotatably suspended from a superposed bearing. This conduit carries at its lower end two or more radial arms each provided with a series of obliquely arranged scraper-blades. The arms which are pivotally connected with the conduit are extended in upwardly and outwardly inclined lines and conduct the subsiding material along the flat bottom surface of the tank toward a central point below the lower open end of the conduit whose longitudinal vertical axis is coincident with that of the tank.

The thickened matter thus continuously but slowly conducted toward the orifice of the conduit is drawn upwardly therethrough by the action of what is commonly called an air-lift which causes the material to rise by the introduction of air under compression into the conduit. The material thus elevated overflows the upper edge of the conduit into a surrounding hopper whence it flows into one or more radially extending, downwardly inclined troughs or launders which distribute it uniformly over the surface of the pulp contained in the tank through openings in their bottoms.

Slanting aprons adjustably arranged above or below the openings in the troughs are provided to regulate the size thereof for the purpose of classifying the discharge in accordance with the size of the solid particles and for distributing the pulp uniformly over the surface of the liquid or near the surface thereof.

The ore is fed into the tank at one side thereof through a pipe delivering near the upper edge of the tank, and the pulp is discharged at the opposite side of the tank through a conduit disposed substantially at the same elevation as the ore inlet pipe.

A plurality of agitators may be arranged in series in the manner quite common in this art so that matter discharged from one tank is received into the next succeeding one.

Means are provided for regulating the density at which the pulp is discharged from the tank. This

device preferably consists of a vertically adjusted baffle plate which is placed over the discharge opening to provide an upright flue which receives the pulp at its lower end and conducts it to the point of discharge. A percentage of the coarser particles of the pulp may be restrained from entering the baffle by providing the latter with an outwardly flaring shield at its lower end. By properly adjusting the lower end of the baffle relatively to the opening in the tank, the pulp may be drawn therefrom at any desired level whereby the proportion of solids to liquids that is retained in the tank is regulated to any desired extent and when equilibrium is reached, the pulp may be discharged from the agitator at the same density at which it was introduced thereinto, being agitated however at a different density. When properly adjusted the agitator is automatic and continuous in its action and inasmuch as the heavier constituents of the pulp subside with greater rapidity than the lighter particles, it follows that the frequency of the circulatory movements of the various particles through the conduit and the surrounding fluid varies in accordance with their size and weight, thus giving the coarser particles, the values of which are more difficult to recover, more active and more thorough agitation.

The slowly revolving scrapers not only convey the pulp to the orifice of the upright conduit, but also assist in the solution of the solid constituents by an abrading action on the particles

and by so advancing them that they rub on each other and thus remove any coating of colloidal slime which might interfere with the penetration and diffusion of the solution.

In agitators where the air-lift alone is employed it is usual to give great height to the agitating vessel, to slope the bottom thereof into a cone and to employ enough air to cause violent circulation in order to avoid building upon the cone. This requires the use of much greater power than would otherwise be necessary and an excess of air is required which consumes the cyanide.

Where mechanically operated agitators have been used in the bottom of the tank they have been operated at such speed as to produce a violent agitation at the bottom of the vessel in order to produce the agitation sought at the top thereof. In my apparatus the material is held in suspension for a comparatively long time.

In my improved apparatus, which combines the good points of mechanical and air agitation, a slow operation of the plow or scrapers induces a slow motion of the pulp and prevents any accumulation of thickened material on the bottom. The air-lift insures the aeration of all the pulp and solution as often as is necessary and its complete change of position, but allows for the regulation of the power to accomplish the extraction at minimum cost without the necessity of using additional power for mechanical reasons only.

When dealing with granular material the lifting of thick pulp and dropping it through the

solution provides a great saving over the known methods of circulating the whole mass, and gives the maximum relative motion between solids and liquids.

My invention is of particular importance for use in the modern method of treating reground sand and slime together. The selective feature of my invention whereby only the thickened pulp is moved, naturally reduces the cost of operation, for while for example, it would require a lifting of four parts of mixture, by weight, for each part of solids in a three to one pulp, only a lifting of two parts of the mixture will be necessary to move the same amounts of solids in a one to one pulp.

In the accompanying drawings I have illustrated apparatus which may be employed for carrying out my invention.

Figure 1 shows a vertical central section through the apparatus.

Fig. 2 shows a transverse section thereof on the line 2-2 of Fig. 1.

Fig. 3 shows a transverse section on the line 3-3 of Fig. 1.

Fig. 4 is a sectional perspective view of a portion of one of the distributing troughs.

The tank or containing vessel 2 is preferably made cylindrical and within it is arranged an upright cylinder or conduit 3 which is rotatably suspended therein from a bearing 4 by means of a hollow shaft 5 which extends within its upper portion and is rigidly connected therewith by means of con-

necting devices 6 of any suitable kind. The shaft 5 is provided at its upper extremity with a worm wheel 7 which meshes with a worm 8 upon a shaft 9 which may be connected with any suitable source of power.

The radial arms 10 which carry obliquely arranged scraper blades 12 are pivotally connected with the conduit at its lower end and are adjustably suspended by means of rods 13 which at their upper ends are connected with a collar 14 slidable vertically on the conduit. The upper extremity of the conduit, which projects above the fluid level, carries the surrounding hopper 15 which communicates with the downwardly directed radial distributing troughs 16. Each discharge opening 17 in the bottom of these troughs is formed by cutting the latter along three edges of a rectangle and bending the included portion 18 up or downwardly along the fourth edge of the same. By thus bending the aprons so that they may assume different angles the size of the material discharged through the openings may be regulated to suit varying circumstances and conditions. The material to be treated is introduced into the tank through a conduit 19 at the upper portion thereof and the pulp is discharged from the tank by a conduit 20 placed opposite the inlet opening. The discharge orifice is covered by a baffle 21 which is vertically mounted in guideways 22 upon the inner surface of the tank and which terminates at its lower extremity in an outwardly flaring shield 23, the function of which

has been heretofore explained.

The air required to lift the thickened material through the upright conduit 3 into the surrounding hopper is introduced through a series of small apertures formed at the lower end of the pipe 24 which extends axially through the conduit and the shaft 5 connected therewith and which connects at its upper extremity with a source of air under pressure.

The material to be treated is fed through the pipe 19 into the tank where it joins the pulp already contained therein in its circulatory movement from the surface downwardly towards the opening at the lower end of the conduit 3 and thence upwardly through the latter by the action of the air-lift, being distributed uniformly over the surface of the pulp through the openings in the troughs 16. During such operation the solids which gradually settle in the tank are conveyed towards the lower end of the conduit by the action of the scrapers and the sand which settles faster than the colloidal matter is in consequence drawn most frequently through the lift.

The pulp is discharged from the tank through the upright flue formed by the baffle 21 and through the outlet or conduit 20 and inasmuch as the density of the matter contained in the tank must necessarily vary in ratio to its depths, the density of the discharged pulp may be readily determined by varying the elevation of the lower end of the baffle, the shield 23 restraining the

coarser particles contained in the pulp as before explained.

It is obvious that the apparatus may be employed to treat material other than ore pulp.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

1. In the treatment of ore pulp, lifting the settled material to a higher level, scouring the settled material while moving it toward the lifter over the lower part of the containing vessel and distributing the raised material at different distances from the upper part of the lifter whereby some particles of the pulp are given a longer treatment than others before leaving the apparatus, substantially as described.

2. In connection with the subject-matter of claim 1, employing an air lift to raise and aerate the material.

3. In connection with the subject-matter of claim 1, withdrawing the pulp from the agitating vessel at different levels and with varying density.

4. An apparatus for agitating pulp, comprising a vessel to which the pulp is fed having a substantially flat bottom, an outlet for the pulp after treatment, lifting means for conveying the settled material from the lower portion of the vessel to a higher level, and mechanical devices for

slowly conveying settled material over the bottom of the vessel toward the lifter.

5. In connection with the subject-matter of claim 4, employing an air lift to raise the settled material and to aerate the contents of the vessel.

6. In connection with the subject-matter of claim 4, causing the material to be agitated at a different density from that in which it is fed into or discharged from the apparatus.

7. In connection with the subject-matter of claim 4, the distributor at the upper part of the lifter for delivering the lifted material to the liquid in the tank at different distances from the delivery end of the lifter.

8. Providing the distributor referred to in claim 7 with openings at different distances from the delivery end of the lifter and providing means for varying the sizes of these openings.

9. In connection with the subject-matter of claim 4, providing an outlet for the treated material, the receiving end of which is adjustable to take pulp of different densities from the containing vessel.

10. Agitators substantially as described and illustrated in the drawings.

John Van Nostrand Don

Dated this 12th day of November
1912.

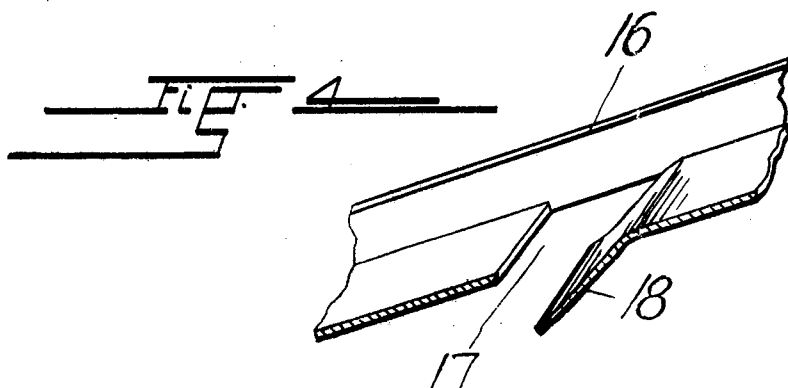
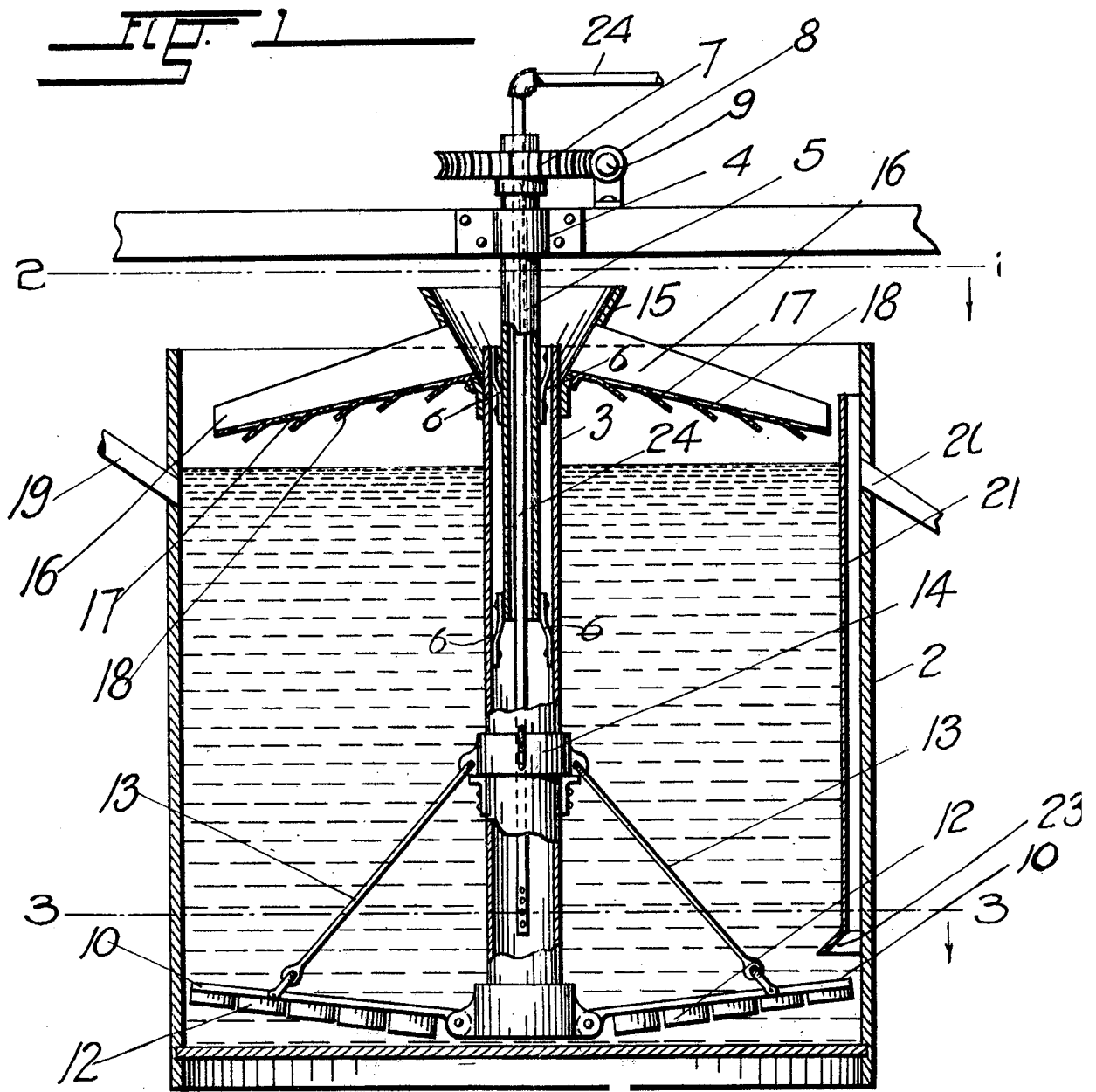
3. The Applicant therefore applies for leave to file a Specification of the Invention pursuant to Part 1 of the Inventions and Designs Regulation, 1894.

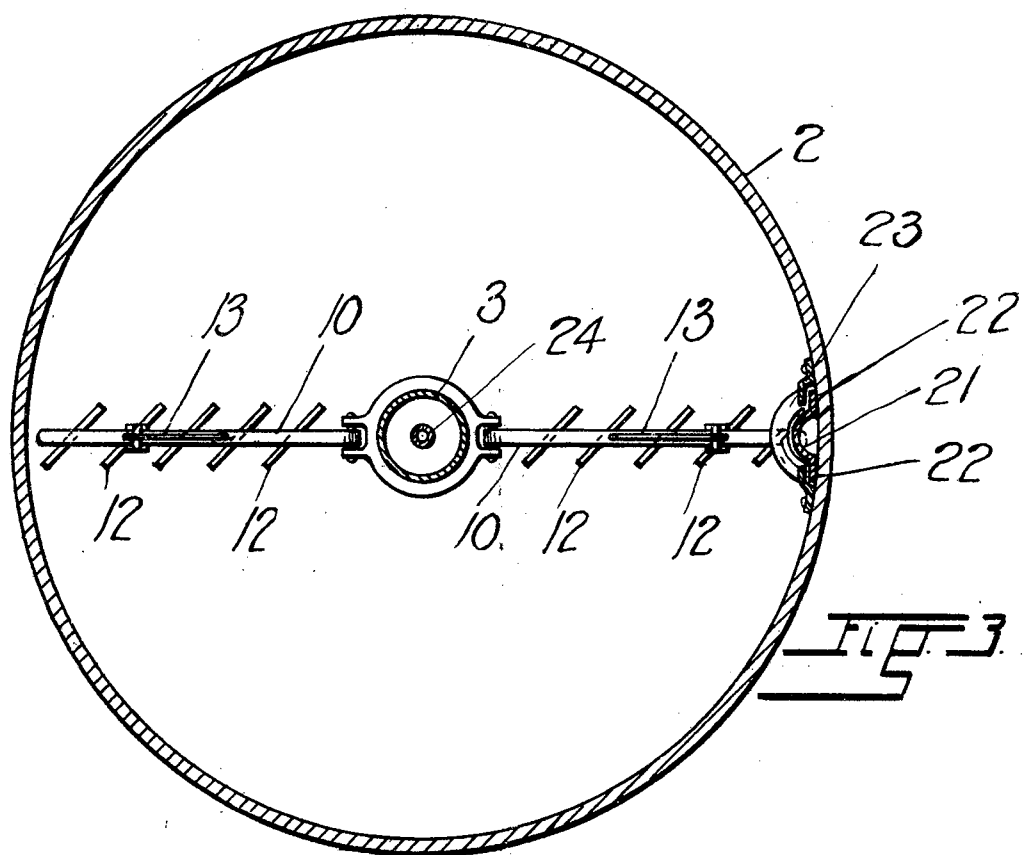
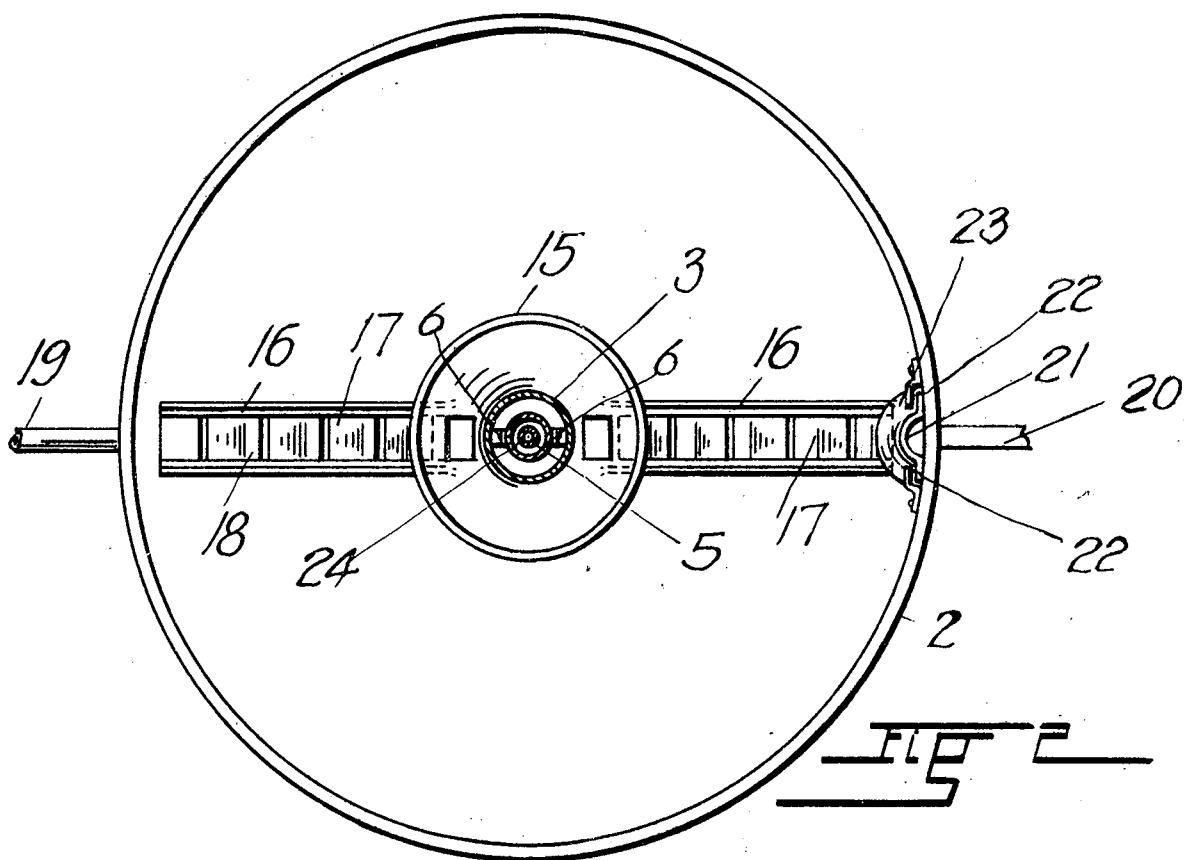
John Van Nostrand Don

I, the Applicant abovenamed, do declare that the facts stated in this Application are true to my knowledge, except as to matters stated on information and belief, and as to those matters I believe them to be true.

7 Dated this 12th day of November, 1912.

John Van Nostrand Don





From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The State Geologist in Mysore

Dated

Despatched 3rd February 1913

Received

General No. *G. 4335*

No. *G.M. 246-12.2*

Enclosure No. /

Has the honor to forward
herewith for report under
Sec 6(2) of the Mysore Inventions
and Designs Regulation No. 1
of 1894 an application for
have to file ~~to~~ a specification
of an invention for "Improvements
in agitators for use in
the treatment of ores" by Mr.
John Van Norstrand Dorr of
First National Bank Building,
Denver, Colorado, U.S.A.

By order,

[Signature]
28.1.13
For Secy.

[Handwritten signature]
570

Trinity Church
M
20th Feb 1913

9.10.13

G.R.S. 29A]

19

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To
The Superintendent of
Stamps,

Dated Bangalore.

Despatched 3rd Feb 1913

Received

General No. G.4336

No. G.m 246-12-3.

Enclosure No. Re one + 10
power of attorney

Has the honor to forward
herewith power-of-attorney
executed by Mr. John Van Nostrand
Dorr of Denver, Colorado, U.S.A.,
in favor of Messrs Remfry & Son,
Calcutta, as his Agents in
respect of his invention for
"Improvements in agitators for
use in the treatment of ores",
and to request that the same
may be impressed with the Mysore
General Stamp of the value of
Re one herewith also forwarded
and the stamped document
returned to this office.

By order,
GPB-20,000-24-10-10.
18.1.13.
For the Secretary

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Deputy Commr.,
Treasury Deptt.,
Bangalore.

Dated

Despatched 3rd February 1913

Received

General No. G. 4337

No. G. M. 246-12-4

Enclosure No. 1

Has the honor to forward
herewith a sum of Rs 10/- received
from Messrs Remy & Son, Calcutta,
being the application fee payable
under cl 1 of Schedule IV of the
Mysore Inventions and Designs
Regulation no. XI of 1894, for
leave to file a specification of
an invention for "improvements
in agitators for use in the treat-
ment of ores" by Mr. John Van
Nostrand Dorr of First National
Bank Buildings, Denver, Colorado,
U. S. A., and to request the favor
of an acknowledgment for the
receipt of the amount.

GPB-20,000-24-10-10.

By Order,

18.1.13.
For the Secy.

DIARY No. 1912-7413

Book No. 1040

Rs. 10-0-0.

Asst. Collector - Treasury

1912-7413
OFFICE: *Am: mis*
FILE NO. *246*
SERIAL NO. *53*

Received from *the 2869 & 2870 to Govt of Mysore*

Purpose *2869*

Annas *nil* and Pies *nil* being on account of

an encumbrance vide docket no

64337-246-12-4 of 3-2-13

Wm
H. Ramanna
In charge of Treasury.
Banquet one ok

Noted & returned
to the
1st
7413

Office of the Superintendent
of Stamps in Mysore
Bangalore 5 Feb 13

N^o 108
Recd

In

N. Krishnaswami Rao Esq. B.A.

Superintendent of Stamps
in Mysore.

DIARY NO.

To,

1912-1913
SECTION Gen. Mis
FILE No. 246 of 1912-13
SERIAL No. 6

K. R. Sreenivasa Iyengar Esq.
offg Secretary to the ^{M. A.} Govt. of Mysore
General & Revenue Dept.

Sir,

With reference to your Docet.

N^o G-4336 dated 3^d instant, I have
Gen. 246-12-3

the honor to return herewith duly
stamped with one Rupee the Power
of attorney, received with the above,
and to request the favor of an acknow-
ledgment.

I have the honor to be

Yours most obed^t Servant
N. Krishnaswami Rao

Superintendent of Stamps
in Mysore.

as per

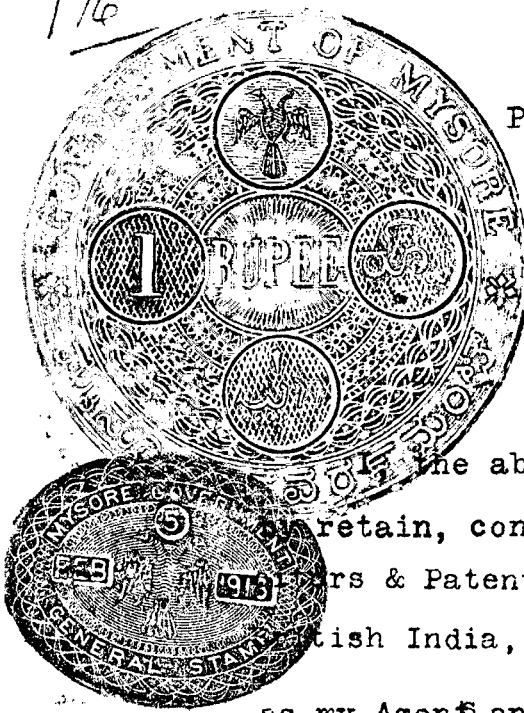
s/pe

V
6/2/13

4A
6/2

Case 2

176



POWER-OF-ATTORNEY.

In the matter of the Inventions and Designs Regulation, 1894, of the Government of Mysore and in the matter of JOHN VAN NOSTRAND DORR, of First National Bank Building, Denver, Colorado, United States of America, Metallurgical Engineer, an Inventor.

I, the above named JOHN VAN NOSTRAND DORR, do hereby retain, constitute and appoint REMFRY & SON, Solicitors & Patent Agents, Post Box No. 161, Calcutta, British India, -- -- -- -- --

as my Agents and Attorneys to apply for and obtain from the Government of Mysore and keep in force an Exclusive Privilege or Letters Patent for IMPROVEMENTS IN AGITATORS FOR USE IN THE TREATMENT OF ORES, and I authorize them

to sign my name to such papers and writings and do such acts regarding the same, including the appointment of a substitute or substitutes, as may be necessary or expedient.

Dated this 12th day of November, 1912.

John Van Nostrand Dorr

Signed, Sealed and Delivered at Denver, Colorado, U. S. A. in the presence of:

Joseph Delano & Co
Investments
733 First Natl Bk Bldg Denver
Colo

Philip M. McHugh
Mining Engineer
734 1st Natl Bank Bldg.

V
14/2/13
M.G.D. 13]

MYSORE GEOLOGICAL DEPARTMENT,
DATED BANGALORE,.....12-2-.....1913.

No. 1903-1 file

1912-1913
4400

From

DR. W. F. SMEETH, M.A., D.Sc., A.R.S.M., etc.,
State Geologist of Mysore.

1912-1913
SECTION <i>for: mis</i>
FILE No. 246 of 1912-13
SERIAL No. 7

To

K.R.Srinivasa Iyengar Esquire, M.A.,

Secretary to the Government of His Highness

The Maharaja of Mysore,

General and Revenue Departments.

Sir,

In reply to your letter No. G 4335/G.M.246-12-2 ,
dated the 3rd February 1913, forwarding for report an appli-
cation for leave to file a specification of an invention
for "Improvements in Agitators for use in the treatment of
ores" by Mr. John Van Nostrand Dorr of First National Bank
Buildings, Danver, Colorado, U.S.A., I have the honour to
state that the practical Combination described appears to be
an improvement and is so far as I am aware, novel.

2. The essential feature consists in the combination
of Mechanical Agitator with an air-lift, both of which devices
are in common use, but so far as I know, they have not been

combined in the way described and the combination is ^{likely} ~~likely~~ to
prove useful. I am of opinion that the leave applied for may be
granted.

The enclosures received with your letter under
reply are herewith returned.

I have the honour to be,

Sir,

Your most obedient servant,



State Geologist in Mysore.

L.T.G.



305

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Superintendent of
Stamps -

Dated

Despatched 18th Feb 1913

Received

General No. 84909

No. 9 m. 246-12-1

Enclosure No. .

Has the honor to acknow-
ledge the receipt of the ^{duly} stamped
power - of - attorney forwarded
with his n^o 108, dated the 5th
February 1913.

By Order,

[Signature]
14.2.13

For M^r Secy

copy
17.2.13.

3245

N^o G. 4910 / G. m. 246-12-8

GOVERNMENT OF MYSORE

General Department

Register No. 3 of 1902-13

Bangalore, the 18 February 1903.

WHEREAS an application, dated the 12th November 1912 and received on the 16th January 1913, has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by John Van Nostrand Dott,
of First National Bank Building, Denver, Colorado, United
States of America, Metallurgical Engineer,
(hereinafter referred to as "the applicant") for leave to file a specification of an invention for "Improvements in Agitators for use in the
treatment of Ores"

And whereas the applicant has duly complied with all the requirements of Section 5 of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

dfc)

14-2-13

for dffs Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the Sixteenth
day of April 1903.

dfc)

14

for dffs Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

(Section 8 of the Inventions and Designs Regulation, 1894.)

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege.

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely :—

- (a) the time for making a payment shall not in any case be enlarged for more than three months ; and
- (b) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

G.R.S. 26]

3885

G.m File No. 2 462

Serial No, 9

Diary No. of letter replied to _____

No. G-4911/E f

General and Revenue Secretariat

()
the 19 .)

To

Messrs Remfry & Son,

Solicitors and Patent Agents,

Calcutta

Date of issue 18th Feb 1913

Signed by Mr B Ramaswami

Gentlemen,

With reference to your
letter dated the 13th January 1913,
I am directed to forward here -
with G.O. No G 4910 dated the
18th Feb^y 1913, authorising Mr John
Van Nostrand Dott of First National
Bank Building, Denver, Colorado,
U. S. A. to file a specification
of his invention for "improvements

over.

SUBJECT.

copyd
17.2.13.

in Agitators focus in the treatment
of Ores", and to request that the
fact may be communicated to
the party concerned.

~~Advised~~ re,

~~For~~
14-2-13

For the Secretary

List of enclosures,

Copied by

Examined by

GENERAL.

REGISTERED.

To

THE ~~PATENT~~ SECRETARY; TO THE GOVERNMENT OF MYSORE,
PATENT OFFICE, GENL. & REV. DEPTS.,
~~CALCUTTA~~ BANGALORE,
MYSORE.

FROM

REMFRY & SON,
SOLICITORS AND PATENT AGENTS,
CALCUTTA.

Dated CALCUTTA, the 4th April 1913.

Sir,

Dept. P. File Lr. M.
FILE INDICATION,
Mysore Pats.

re J.V.N.DORR. (CASE 2) MYSORE No. 3 of 12-13.

Pursuant to the Order granting leave in this matter

dated 18th February 1913, Register No. 3 of 1912-13, we have the honour to forward herewith 4 copies of the Specification of JOHN VAN NOSTRAND DORR, of First National Bank Building, Denver, Colorado, United States of America, Metallurgical Engineer, in respect of his Invention for "IMPROVEMENTS IN AGITATORS FOR USE IN "THE TREATMENT OF ORES".

The above mentioned Order is enclosed and we solicit the favour of your filling to the Certificate at foot thereof and having same signed.

A Post Office Order for Rs. 30/- is sent to-day.

We have the honour to name our Office in Calcutta as the Address for Service under the Act.

We have the honour to be,
Sir,
Your very obedient servants,

Bk. Post.
4 Specns.

REMFRY & SON

I.M.B.

COUPON. The remitter may write here any communication to the

Remitter

Re. 30 As. i re J.V.N. Dorn Mysore B
 Case 2.NO.3/12-13.
 (See our letter of date)

To B V

Uy

9/4/13

1739
New York
1739

28.1

MS
28.4.13

No. 96543

24/4/13
MYSORE GOVT. GEN. & REV. SECRETARIAT,
Dated Bangalore, 26th April 1913.

S.M. 24.6.12-11

Published on page 487 of Part I of the
Gazette of 1.5.13

NOTIFICATION.

(PATENT.)

The following specification of an invention has been filed in accordance with Sections 8, 9, 10 and 11 of Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Departments, and on payment of a fee of one Rupee.

By Mr. John Van Nostrand Dorr of First
National Bank Building, Denver, Colorado,
United States of America, Metallurgical
Engineer.

Improvements in Agitators for use
in the treatment of ores."

By Order,

del

SP

For SP Secretary.

To

The Compiler, Mysore Gazette, for publication.

crhd.
18/4
21.4.13

400
No. G 6594. (E. 2)
S.m. 246-12-12

MYSORE GOVT. GEN. & REV. SECRETARIAT,

Dated Bangalore, 26th April 1913.

From-

The Secretary to the Government of H. H. the Maharaja of Mysore,
General and Revenue Departments.

To

Messrs Remy & Son,
Solicitors & Patent Agents
Calcutta

Sir,

With reference to your letter dated the 4th April 1913, I am directed to forward copy of a Notification No. G 6593/S.m. 246-12, dated 26th April 1913 issued by this Government in regard to the invention filed by you under Regulation XI of 1894 (The Inventions and Designs Regulations.) and request that the same may be communicated to the party concerned.

The order granting permission to file specification is herewith returned, with the certificate at foot, duly filled in and signed.

I have the honor to be,

Sir,

Your most obedient servant,

(Sd)

S/02

For H.S. Secretary.

copd
21.4.13.

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

- (1) The State Geologist in Mysore
(2) The Supdt, Govt Museum -
(3) The Chief Engineer of Mysore

Dated

Despatched 26th April 1913

Received

General No. G 6595-7

No. G.m. 246-12-13

Enclosure No. 1 each

Has the honor to forward
herewith for record in his Office
a copy of a specification of an
invention for "Improvements in
Agitators for use in the treatment
of ores" by Mr. John Van Nostrand
Dorr of First National Bank
Buildings, Denver, Colorado, U.S.A.,
and to request the favor of an
acknowledgment.

By order,

S/O

For Offg Secretary

copy
not
21-4-13

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Deputy Commr.,
Treasury Deptt., Bangalore

Dated

Despatched 26th April 1913

Received

General No. G. 6598

No. G.M. 246-12-14

Enclosure No. with Rs 30/-

Has the honor to forward
herewith a sum of Rs 30/- (thirty),
received from Messrs Remfry &
Son, Calcutta, being the fee payable
under Schedule IV cl 2 of the
Mysore Inventions and Designs
Regulation No. 81 of 1894 for filing
a specification of an invention
for "improvements in agitators
for use in the treatment of ores"
by Mr. John Van Nostrand Dorr
of First National Bank Building,
Denver, Colorado, U. S. A., and
to request the favor of an acknow-
ledgment for the receipt of the
amount.

By order,

Handwritten initials

Jan 24 6 1912
2215

DIARY No. 6019

Book No. 104

Rs 30/-

Bengaluru Treasury

No 12	
dated 29/4/13	
Received from Secretary	
for 7 Engage	
C.D. No.	

Received from Secretary for 7 Engage

Purpose: *Shirki*

Annas — and Pies — being on account of
all in reference of an insertion after
his death by 6548 dated 26/4/13

Handwritten signature
In charge of Treasury.
Handwritten signature

Handwritten note 20/4/13

Handwritten calculation
29/4/13

M.G.D. 12]

MYSORE GEOLOGICAL DEPARTMENT.

DATED BANGALORE, 30th April 1913. 19

No. 2699

DIARY NO. 6094

FROM

DR. W. F. SMEETH, M.A., D.Sc., A.R.S.M., etc.,

Secretary to the Government of H. H. the Maharaja of Mysore, 246 of 1912-13
Geological Department.

19/2-19/3

SECTION for: mis

FILE No. 246 of 1912-13

Geological Department.

Serial No. 16

To

K.R. Srinivasa Iyengar, Esquire, M.A.,

Secretary to the Government of His Highness

the Maharaja of Mysore, General & Revenue

Departments, Bangalore.

SIR,

I have the honour to acknowledge the receipt of
the copy of Specification of an invention for "Improvements
in Agitators for use in the treatment of ores" by Mr. John
Van Nostrand Dorr of First National Bank Buildings, Denver,
Colorado, United States of America, forwarded with your letter
No. G 6595-7/G M 246-12-13, dated the 26th April 1913.

I have the honour to be,

Sir,

Your most obedient servant,

K.T.G.

K. T. G.
State Geologist in Mysore.

DIARY No. 6108

1912-1913

SECTION Gen. Mus.

No. 276

FILE No. 246 of 12-13

SERIAL No. 17

OFFICE OF ECONOMIC BOTANIST,
SUPERINTENDENT, MYSORE GOVERNMENT MUSEUM,

Bangalore, dated 27th April 1913.
18. May 1913.

FROM

G. H. KRUMBIEGEL, Esq., F.R.H.S.,
Economic Botanist,
Superintendent, Mysore Govt. Museum,
Bangalore.

TO

H. R. Srinivasan Esq., M.A.,
Off. Secretary to Government
General and Revenue Department.
Bangalore.

Sir,

I have the honor to acknowledge
the receipt of a copy of a specification
of an invention for "Improvements in
Agitators for use in the treatment of ores"
by Mr. J. V. N. Rao, forwarded with your
no. G. 6595-7 dated 26th inst.
G. M. 246-12-13

I have the honor to be
Sir,
Your most obedient servant,
G. H. Krumbiegel
Superintendent
Govt. Museum.

K.H.

V/S
From

1912 /3

G. H. KRUMBIEGEL, Esq., F.R.H.S.,

Economic Botanist,

Supt., Mysore Govt. Museum,

To

Bangalore.

The Offg. Secretary to Govt.
C. J. & Co. Secy to Govt.

Dated 23rd April 1913

Despatched 18th May 1913

Received

General No. 246
No.

Enclosure No.

Acknowledged receipt
of a copy of a specification
forwarded with this no.
G. 6595-7 of 26th inst.
G.M. 246-12-13

V 12/5/20

WOT 12/5/20
No. 3638

MYSORE P. W. DEPARTMENT,

CENTRAL OFFICE.

Bangalore, 9th May 1913.

6334 From
No. 6334
1912-1913
SECTION Gen. & Civ.
FILE No. 246 of 1912-13
No. 18
To

KARPUR SHRINIVASRAV, ESQ., B.Sc., L.C.E.,

Offg. Chief Engineer of Mysore,

Bangalore.

K.R.Srinivasalingar, Esq., M.A.,

Offg: Secretary to the Government of His Highness

the Maharaja of Mysore, Gen. & Rev. Departments,

B A N G A L O R E.

Sir,

I have the honor to acknowledge, with thanks, the receipt of a copy of the specification of an invention for "Improvements in Agitators for use in the treatment of Ores" by Mr. John Van Nostrand Dorr of First National Bank Buildings, Denver, Colorado America, forwarded with your memo No.G.6595-7/G.M.246-12-13 dated the 26th April 1913.

I have the honor to be,

S i r,

Your most obedient servant,

L. P. Srinivasalingar

ARA.

For Offg: Chief Engineer of Mysore.

MYSORE P. W. DEPARTMENT.

No.

From

THE CHIEF ENGINEER OF MYSORE,
Bangalore.

To

Dated Bangalore

Despatched

Enclosure No.

SUBJECT.